



COOLER DATA CENTERS BY DESIGN

POWERING PERFORMANCE. COOLING WITH CONFIDENCE.

Chart Industries delivers integrated solutions for data centers, focusing on energy efficiency, thermal management, and operational reliability.

CORE OFFERINGS:



Air Cooled Heat Exchangers:

Efficient thermal management systems designed to meet the high-density cooling demands of modern data centers.



LNG and LH₂ Power Systems:

Chart's cryogenic liquid gas to power systems enable data centers to use natural gas and hydrogen for clean and reliable back up power and as primary power sources in off-grid locations instead of diesel generators. LNG also offers an energy efficient alternative to conventional cooling systems.



Water Treatment Systems:

Advanced systems that optimize water usage and quality, supporting sustainable operations.



Uptime® Digital Monitoring:

Real-time monitoring tools that provide actionable insights to maintain optimal performance and prevent downtime.



Cooling Fans:

High performance fans delivering cooling air. A flexible range addressing core issues such as space constraints, output, noise and reliability.



Carbon Capture Systems:

Compact, modular compressors and plants capture CO₂ emissions from on-site natural gas generators, fuel cells or part of direct air capture. Enables data centers to decarbonize, reduce emissions, explore CO₂ reuse and sale, or pursue carbon credits for permanent sequestration.

WHY CHOOSE CHART:

With decades of experience in cryogenic and thermal technologies, Chart Industries is your trusted partner for scalable and efficient data center infrastructure solutions.



Scan QR code to learn more!



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INNOVATIVE COLLABORATIONS FOR SUSTAINABLE ENERGY SOLUTIONS



Scalable Cooling Innovation for a Large-Scale Hyperscaler:

A leading hyperscaler faced with supply challenges due to a rapid data center expansion. Chart Industries partnered with them to deliver a scalable, efficient solution through optimized ACHX designs, improved access and maintenance features, and fleet standardization. As a result, 72 ACHX units were delivered in under 12 months, helping the hyperscaler meet expansion timelines.



Bloom Energy:

In partnership with Bloom Energy, Chart contributes to the development of fuel cell technologies that offer efficient and clean power solutions for data centers, enhancing energy reliability and reducing emissions.

